

ABSTRACT OF THE DISCLOSURE

An axle suspension system for a load-bearing vehicle is described which comprises first and second mounting brackets secured to the longitudinally extending frame members of the vehicle. First and second lower control arms are pivotally secured at their forward ends to the first and second mounting brackets and extend rearwardly therefrom. First and second axle supports are positioned rearwardly of the first and second mounting brackets and have the rearward ends of the first and second lower control rods pivotally secured thereto. An axle and wheel assembly is secured to the first and second axle supports. First and second air springs are operatively secured to the first and second axle supports. A stabilizer bar assembly is provided and combines the functions of a stabilizer bar and upper control arms. The stabilizer bar assembly includes a central base portion which is pivotally secured to the first and second axle supports and which has forwardly extending end portions provided at the opposite ends thereof. The forward ends of the end portions of the stabilizer bar assembly are pivotally connected to the first and second mounting brackets to perform the function of upper control arms. The stabilizer bar assembly combines the function of a stabilizer bar and upper control arms.